METHOD 3: ALTERNATIVE FOR ADDITIONS & SUNROOMS LESS THAN 500 SF WORKSHEET

Name:_____ Occupation:_____

Project Address:_____ Date:_____

STEP 1

Calculate window/door, wall and roof areas.

Windows	Height	x Width	x number	= Area, ft²
Window 1				
Window 2				
Window 3				
Window 4				
Door 1				
Door 2				
Door 3				
			Total:	

Walls	Height	x Width	= Area, ft²
Wall 1			
Wall 2			
Wall 3			

Roofs	Length	x Width	= Area, ft²
Roof area 1			
Roof area 2			
		Total:	

STEP 2

Calculate percent glazing.

Total Glazing Area	÷	Total Wall Area	X 100 =		% percent Glazing

STEP 3

For percent glazing < 40%, refer to table below for maximum U-factors and minimum R-values.

For percent glazing ≥ 40%, the addition is considered a sunroom and shall be served by a separate heating and cooling system, or shall be controlled as a separate zone of the existing system. Refer to table below for maximum U-factors and minimum R-values.

Maximum U-Factors and Minimum R-Values

Maximum window/door U-factor	Minimum R-Value						
	Ceiling and floors over outside air	Walls	Floors	Basement wall	Slab-on-grade perimeter (for 24" depth)		Conditioned crawl space wall
					Unheated	Heated	
0.4*	R-38	R-18	R-21	R-11	R-9	R-11	R-19

*U-factor is 0.5 when sunrooms are separated from the dwelling unit by walls, doors and/or windows.